Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/23/2019 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127190	1	1.26	127310	1.21
Blue	F	SSC	125000	125063	0	1.60	125855	1.58
Blue	E	FITC	16122	15726	-3	2.69	341	20.43
Blue	D	PE	29316	29073	-1	1.85	633	14.93
Blue	B	PerCP-Cy5-5	42590	42641	0	3.68	1145	20.45
Blue	A	PE-Cy7	33146	33536	1	6.04	634	40.08
Red	C	APC	45473	44961	-2	2.39	1592	11.87
Red	A	APC-Cy7	31961	31016	-3	2.37	820	11.85
Violet	B	V450	7914	7507	-6	4.94	419	13.70
Violet	A	V500	29769	28445	-5	4.79	661	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21104	3.71	610	10	N/A	N/A	Pass
Blue	F	SSC	56806	1.13	553	15	N/A	N/A	Pass
Blue	E	FITC	62	65.09	541	4	0.0192	141	Pass
Blue	D	PE	130	49.99	544	7	0.1506	239	Pass
Blue	B	PerCP-Cy5-5	211	50.13	651	13	0.0090	60	Pass
Blue	A	PE-Cy7	118	100.74	704	13	0.0115	21	Pass
Red	C	APC	380	25.10	586	7	0.0259	198	Pass
Red	A	APC-Cy7	181	28.29	562	6	0.0057	904	Pass
Violet	B	V450	64	61.58	466	6	0.0495	2150	Pass
Violet	A	V500	99	32.62	478	6	0.0233	645	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.73	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.20	13.60 - 20.40	N/A	N/A	29.25	29.77	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11601

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments